

DEVAL L. PATRICK GOVERNOR

TIMOTHY P. MURRAY LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD SECRETARY

JOHN AUERBACH COMMISSIONER

no GC/MS testing for call me at the number below.

The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

02/09/12

If you have any questions about these materials, please

| Edward Curley Assistant District Attorney, Suffolk County | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| Dear Mr. Curley, | | | | | |
| Enclosed is the information you requested. Included are copies of the following: | | | | | |
| Drug Analysis Laboratory Receipts. | | | | | |
| 2. Control Cards with analytical results for sample #'s | | | | | |
| 3. Analysis sheets with chemist's hand notations and test results. | | | | | |
| 4. GC/MS analytical data for sample #'s | | | | | |
| GC/MS testing for was performed by Kate Corbett; all other analyses were performed by Della Saunders. GC/MS testing for was performed by Lisa Glazer; all other analyses were performed by Kate Corbett. There was | | | | | |

Katé Corbett Chemist II Drug Analysis Lab Jamaica Plain, MA. 02130 (617) 983-6632

| DRUG RECEIPT District/Unit AREIA B-3 Name & Rank of Arresting Officer Stephs | CC #_ BOOK #_ 7 4 PAGE #_ /8/ DESTRUCTION #_ C 8 / 8 | | |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------|------------------------|
| DEFENDANT'S NAME | ADDRESS | CITY | STATE |
| | | MAHAPAN | MA |
| DESCRIPTION OF ITEMS SUBMITTED | GROSS QUANTITY | LAB USE GROSS WEIGHT | ONLY ANALYSIS NUMBER |
| DNE(i) PLIASTIC CONTIAINER | | 61.93 | Nomber |
| ONE(i) PLASTIC CONTIAINER WITH White powder Procks | | | 4 |
| To be completed by ECU personnel only Name and Rank of Submitting Officer Received by | | Date 8 | |

No.

Date Analyzed:

City: Boston D.C.U. Police Dept.

Officer: P.O. RENEE JACKSON

Def:

Amount: No. Cont:

C

9Coh 178 Subst: SUB

Date Rec'd: 08/19/2011

Gross Wt.:

61.93

No. Analyzed:

Net Weight:

Tests: 7

Prelim: (///k//////

Findings:

DRUG POWDER ANALYSIS FORM

| SAMPLE# | AGENCY BOSTONDCU | ANALYST JJ |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------|
| No. of samples tested: | Balances ok 10/18/11 Methec. | WE 61.93274 |
| PHYSICAL DESCRIPTION: White chunky pondery some plustic continuely with one charge sealed initially | whstance Centained in | ss Wt (): <u>58, 236.9</u> ss Wt (): Pkg. Wt: Ophart Net Wt: <u>24, 6834</u> |
| PRELIMINARY TESTS Spot Tests Cobalt Thiocyanate () — Marquis — Froehde's — Mecke's — | Gold Chloride TLTA_(| rystalline Tests) IER TESTS |
| PRELIMINARY TEST RESULTS RESULTS AN KNOWN DATE 10/18/11 | GC/MS CON RESULTS MS OPERATOR DATE | IFIRMATORY TEST Negative KAC 11/4/11 |

```
Sequence Name: C:\msdchem\1\sequence\default.s
        Comment:
       Operator:
      Data Path: D:\GC DATA\
Instrument Control Pre-Seq Cmd:
Data Analysis
                  Pre-Seq Cmd:
Instrument Control Post-Seq Cmd:
Data Analysis
               Post-Seq Cmd:
  Method Sections To Run On A Barcode Mismatch
   (X) Full Method
                              (X) Inject Anyway
    ( ) Reprocessing Only
                              ( ) Don't Inject
  Line
                       Sample Name/Misc Info
1) Sample
                1 01
                        GENSCAN BLANK-DCS
                2 02
3 03
4 04
5 05
2)
    Sample
                             GENSCAN COKE/CODEINE STD
3) Sample
                            GENSCAN
                                      BLANK
4) Sample
                            GENSCAN
```

GENSCAN

BLANK

5)

Sample

Area Percent Report

Data Path : D:\GC DATA\10_18_11\

Data File : 01.D Signal(s) : FID1A.CH

: 18 Oct 2011 13:44 : BLANK-DCS Acq On

Sample

Misc

ALS Vial : 1 Sample Multiplier: 1

Integration File: autointl.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title

Signal : FID1A.CH

End PK peak peak R.T. Start peak peak % of min TY height # min min area % max. total ____ _____ ** ** ** ------1 1.266 1.221 1.393 BB 521185773 5116044090 100.00%100.000%

Sum of corrected areas: 5116044090

```
Data Path : D:\GC DATA\10_18_11\
```

Data File : 01.D Signal(s) : FID1A.CH

Acq On : 18 Oct 2011 13:44

Sample : BLANK-DCS

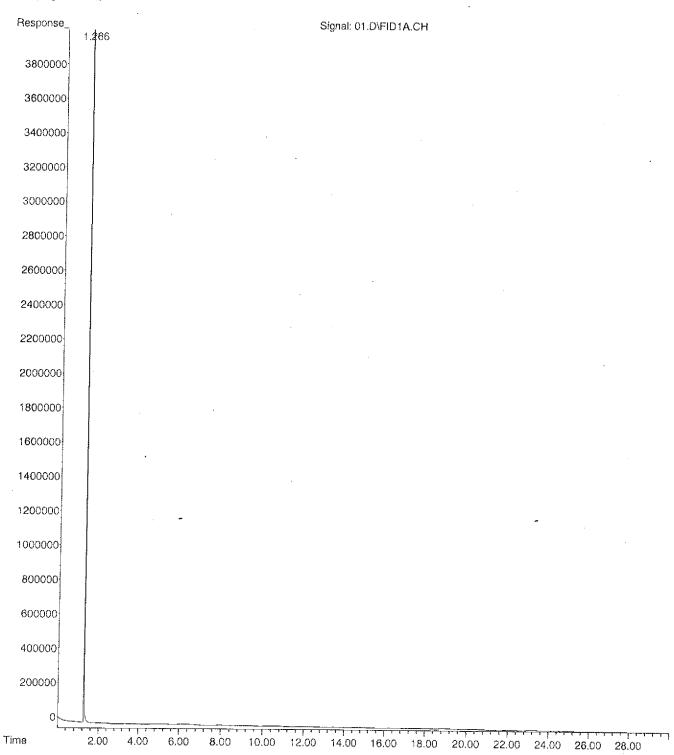
Misc

ALS Vial : 1 Sample Multiplier: 1.

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :



GENSCAN.M Tue Oct 18 14:18:42 2011

Area Percent Report

Data Path : D:\GC DATA\10_18_11\

Data File : 02.D Signal(s) : FID1A.CH

Acq On : 18 Oct 2011 14:20 Sample : COKE/CODEINE STD

Misc

ALS Vial : 2 Sample Multiplier: 1

Integration File: autointl.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title

Signal : FID1A.CH

| peak # | R.T. min | Start min | End min | | peak height | peak area | peak % max. | % of total |
|-----------|-------------|--------------|------------|-------|----------------|--------------|----------------|---------------|
| | | | | | | ~~~~~~ | | *** |
| | 1.265 | 1.237 | 1.349 | BV | 51492704 | 0 49508922 | 72 100.0 | 00% 99.227% |
| 2 | 7.329 | 7.299 | 7.376 | | | 19936285 | 0.40% | 0.400% |
| 3 | 7.897 | 7.862 | 7.942 | | | 18637315 | | |
| | | | Sum | of co | rrected | areac. 409 | 20165077 |) |

Data Path : D:\GC DATA\10_18_11\
Data File : 02.D

Signal(s) : FID1A.CH

Acq On : 18 Oct 2011 14:20 Sample : COKE/CODEINE STD

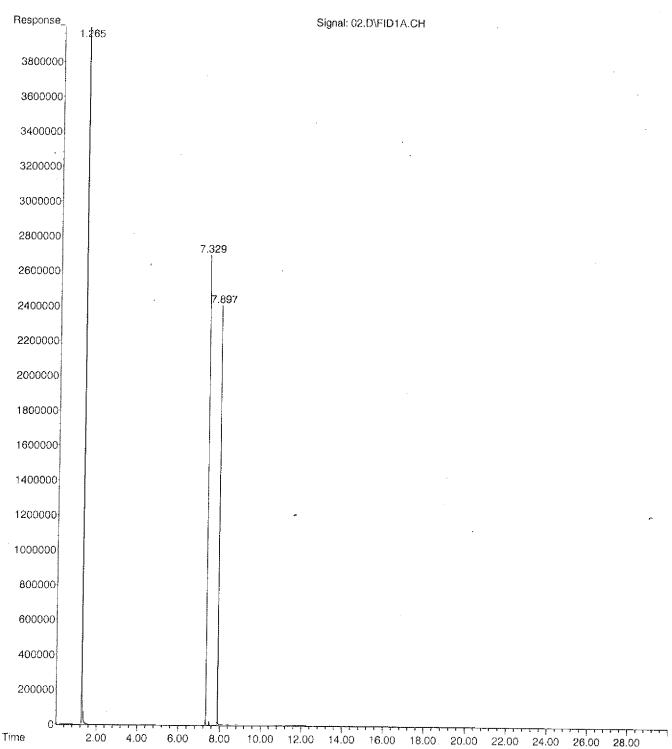
Misc

ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title



GENSCAN.M Tue Oct 18 14:54:10 2011

Page: 2

Area Percent Report

Data Path : D:\GC DATA\10_18_11\

Data File : 03.D Signal(s) : FID1A.CH

Acq On : 18 Oct 2011 14:55

Sample : BLANK

Misc

ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title

Signal : FID1A.CH

| peak # | R.T. min | Start min | End min | | peak height | peak area | peak % max. | | |
|---------------|-------------|--------------|--------------|-------------|-------------------------|----------------------|----------------------|-------------|--|
| 1 | 1.266 | 1.240 | 1.450 Sum | BB of co | 552207751 orrected a | 5120564: ceas: 5: | 333 100. 12056433 | 00%100.000% | |

```
Data Path : D:\GC DATA\10_18_11\
Data File : 03.D
Signal(s) : FID1A.CH
```

Acq On : 18 Oct 2011 14:55

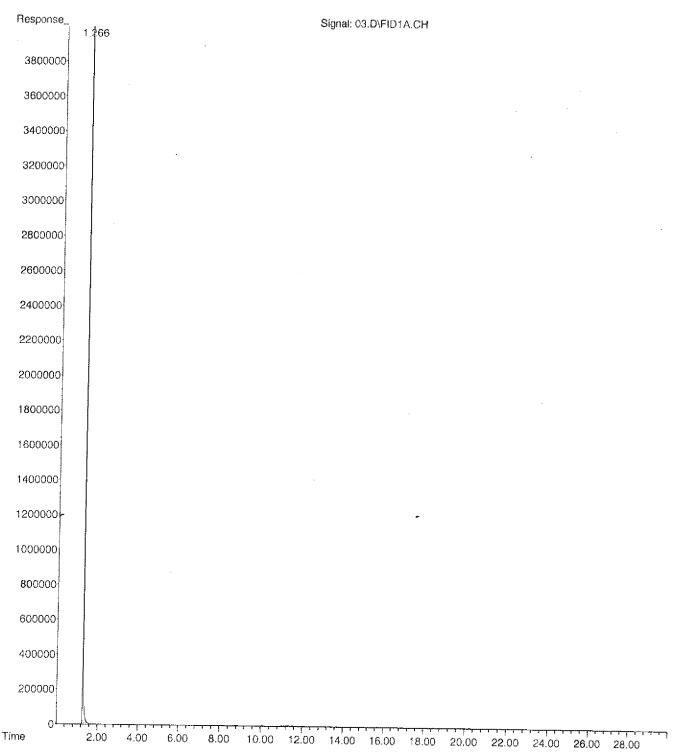
Sample : BLANK Misc :

ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title



GENSCAN.M Tue Oct 18 15:29:52 2011

Page: 2

Area Percent Report

Data Path : D:\GC DATA\10_18_11\

Data File : 04.D Signal(s) : FID1A.CH

Acq On : 18 Oct 2011 15:31

Sample

Sample :

Misc : ALS Vial : 4

4 Sample Multiplier: 1

Integration File: autoint1.e

Method

: C:\MSDCHEM\1\METHODS\GENSCAN.M

Title

Signal : FID1A.CH

| peak # | R.T. min | Start min | End min | | peak height | peak area | peak % max. | % of total |
|-----------|-------------|--------------|------------|-------|----------------|--------------|----------------|---------------|
| - | | | | | | | | |
| | 1.266 | 1.232 | 1.342 | BV | 518958506 | 47749211 | 95 100.00 | 0% 97.091% |
| | 1.358 | 1.342 | 1.367 | VV | 13624806 | 80958522 | 1 70% | 1.646% |
| 3 | 1.375 | 1.367 | | VB | 9558837 | 62110407 | 1.30% | 1.263% |
| | | | Sum | of co | rrected a | reas: 49 | 17990124 | |

Data Path : D:\GC DATA\10_18_11\

Data File : 04.D Signal(s) : FID1A.CH

Acq On : 18 Oct 2011 15:31

Sample

:

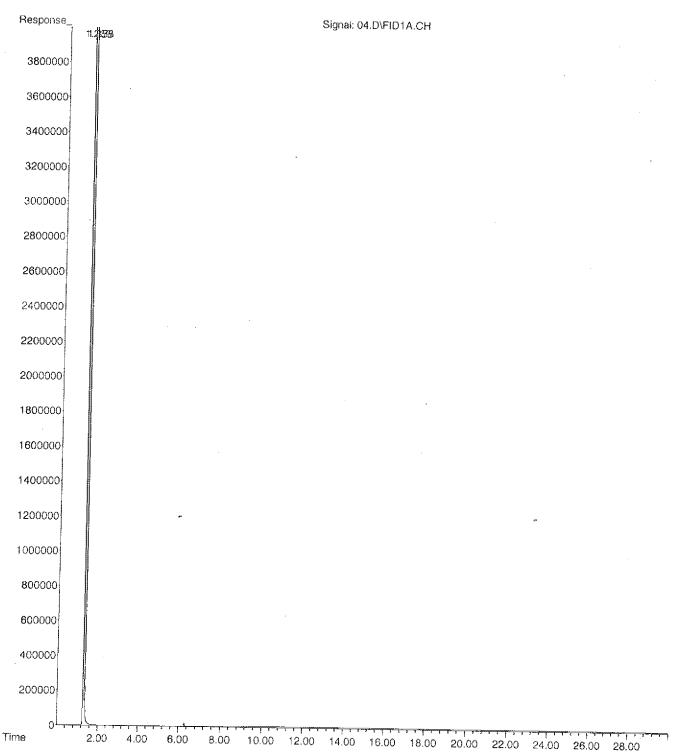
Misc : ALS Vial : 4

4 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :



GENSCAN.M Tue Oct 18 16:05:22 2011

Page: 2

Area Percent Report

Data Path : D:\GC DATA\10_18_11\

Data File: 05.D

Signal(s) : FID1A.CH

Acg On : 18 Oct 2011 16:06

Sample : BLANK

Misc

ALS Vial : 5 Sample Multiplier: 1

Integration File: autointl.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title

Signal : FID1A.CH

| R.T. min 1.266 | Start min 1.242 | End min 1.402 | Т'Y ВВ | peak height 534256397 | peak area 52215131 | peak % max. | % of total 0%100.000% |
|------------------------------|---------------------------|-------------------------|---------------|-----------------------------|------------------------------|--------------------|---------------------------------|
| | | Sum | of c | orrected a | reas: 52 | 21513192 | 0100.0004 |

```
Data Path : D:\GC DATA\10_18_11\
```

Data File : 05.D Signal(s) : FID1A.CH

Acq On : 18 Oct 2011 16:06

Sample : BLANK

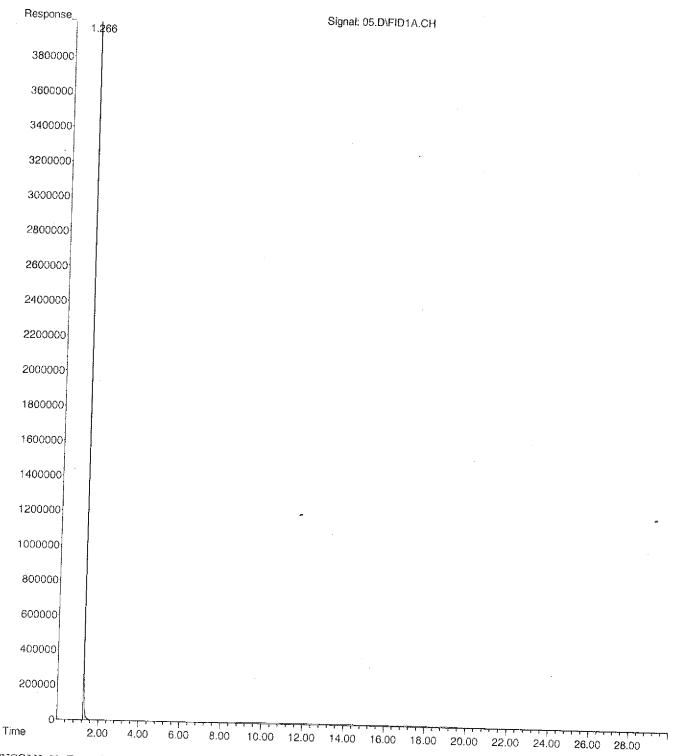
Misc

ALS Vial : 5 Sample Multiplier: 1

Integration File: autointl.e

: C:\MSDCHEM\1\METHODS\GENSCAN.M Method

Title



GENSCAN.M Tue Oct 18 16:40:53 2011

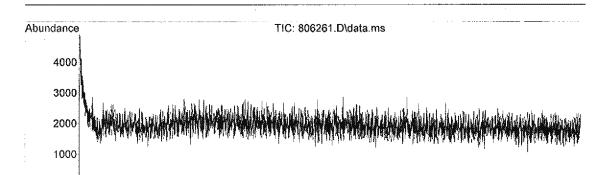
Page: 2

File Name : F:\Q4-2011\System6\11 03 11\806261.D

Operator : KAC

Date Acquired: 4 Nov 2011 2:37

Sample Name : BLANK
Submitted by : DCS
Vial Number : 2
AcquisitionMeth: SCREEN.M
Integrator : RTE



Time--> 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00 30.00 32.00 34.00

Ret. Time

Area

Area %

Ratio %

NO INTEGRATED PEAKS

: F:\Q4-2011\System6\11_03_11\806262.D File Name

Operator : KAC

Date Acquired

4 Nov 2011 3:16

Sample Name Submitted by

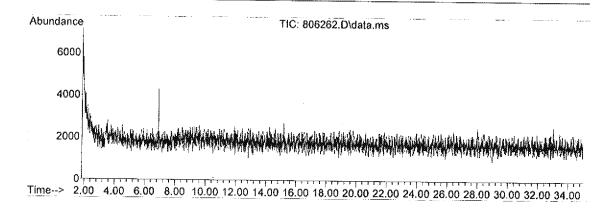
: DCS

Vial Number

AcquisitionMeth: SCREEN.M

Integrator

: RTE



Ret. Time

Area

Area %

Ratio %

NO INTEGRATED PEAKS

| Si | | | Ą | 9 | V | | G | C | |
|----|---|---|---|---|-----|------|---|---|---|
| | D | F | p | 4 | P 7 | r Al | | N | 7 |

DRUG RECEIPT

| CC #_ | | |
|----------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ВООК # | 74 | |
| PAGE # | 179 | |
| DESTRUCT | ION# | A CONTRACTOR OF THE CONTRACTOR |
| | | |

| time & Rank of Arresting Officer | | | | |
|----------------------------------|-----------|-------------------|-----------------|--------------------|
| DEFENDANT'S NAME | ADD | RESS | CITY | STATE |
| | | _ | DORCHESTER | MA. |
| | | · | LAB USE | ONLY |
| DESCRIPTION OF ITEMS SUBMIT | TED | GROSS QUANTITY | GROSS WEIGHT | ANALYSIS NUMBER |
| E Plb with white powder | Rak (ATT) | 1 (ONE) | 24.54 pc | |
| Plbwith GREEN HE | | Z (ONE) | 3.95 m | |
| Cziplak baggie w | ith Pills | 5 (five) | 2,60 pm | |
| | | | V | |
| | | | | |
| | | | | |
| * | | | + | |
| | | | | |
| | | | | |
| | | | | |

BPD Form 0038-BIS-0907 (prev. 1753)

ECU Control # _____

| N Cit | o. Boston D.C.U. P | olice Dep | t. |
|---------------------|---------------------------------------|------------|-----------------------------------------|
| | r: P.O. Diana Lopez | • | |
| De | of: | | |
| Amoun | t 6 | | Subst: SUB |
| No. Con | it: 1 Cont: pb | | |
| Date Rec' | d: 08/16/2011 | | No. Analyzed: |
| Gross Wt | :.: 24.54 | | No. Analyzed: 5 |
| | | | # Tests: 35000 |
| (i | J) | | |
| Prelin | Cocaine | Findings | Cocarre |
| | + | | |
| No | | | Data Angles de |
| | y: Boston D.C.U. P | | Date Analyzed: t. (0 12) (1 |
| | r: P.O. Diana Lopez | olice neb | " (2) |
| De | | | |
| Amoun | t: | | Subst: VM |
| No. Con | t: 1 Cont. pb | | Odbot. VIVI |
| Date Rec'd | d: 08/16/2011 📝 | | No. Analyzed: |
| Gross Wt | | | Net Weight: |
| | 960 | | # Tests: ZV # C |
| in a Ci Ci c | NI KLICIA | +100 | at "resis. Defic |
| / V(VCC)/ Prelim | 0410000 | rindia | 100000000000000000000000000000000000000 |
| riemii | • | Findings | planjvana |
| | | | • |
| | | | |
| • | | | , |
| | 1 | | |
| 814 | | | man Amerikan di sa |
| No. | Roston D.C.U. Doi | | ate Analyzed: |
| | Boston D.C.U. Pol P.O. Diana Lopez | iice Dept. | 1 . |
| Def: | 1.0. Diana copez | | |
| Amount: | 5.0 | | Subst: TAB |
| No. Cont: | 1 Cont. pb | | Odbat. 1AD |
| Date Rec'd: | · | | No. Analyzed: |
| Gross Wt.: | 2.60 | | Net Weight: (). (4) |
| CIOGG VVI | 2.00 | | ' 1 |
| | | | # Tests: A+CCAC |
| | Mimonia | | ·add |
| Prelim: | Morphine | Findings: | Marahim |
| | 1 | | MAMIX |

DRUG POWDER ANALYSIS FORM

Balance Vok mettler Toledo SN#

| No. of samples tested: | BOSTON ANALYST KAC Evidence Wt. OK |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| PHYSICAL DESCRIPTION: 19 pb Containing Off-white Churk Substance of 45 y also containing Substance (inside | Gross Wt (5): 20.29759 On Gross Wt (1: Pkg. Wt; Total Net Wt: 17:78069 nphS an Off-white Chunky larger ph) |
| PRELIMINARY TESTS Spot Tests Cobalt H + h V Thiocyanate (H) + h V Marquis Froehde's Mecke's | Microcrystalline Tests Gold Chloride TLTA (t) + OTHER TESTS |
| PRELIMINARY TEST RESULTS RESULTS O CAUPL DATE 10 13 11 | RESULTS OCCUPATION OPERATOR DATE 10 24 11 |

samples tested:

| 1 | | # | Gross Weight | Packet Weight | Net Welght | # | Gross Weight | Packet Weight | Net Welght |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------|-----------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 318900 6 5548 2.9343 27 3 3 (105 4 6.1404 3.4452 28 4 3.4584 6.3490 3.417 30 6 3 5524 6.3490 3.417 30 6 3 31 3 33 33 32 8 31 33 33 33 33 33 33 33 33 33 34 34 34 34 | ĺ | 1 | S-species | promise regions | 11:33500 | 26 | | | |
| 3 3 (105 14 6.140 4 3.4 (1534 28 4 3.4 184 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 2 | 308909 | 0.15484 | | 1 | | *************************************** | |
| 4 3 4 5 8 6 0 1 7 9 6 3 3 3 3 9 2 9 6 3 6 5 2 6 6 6 7 3 4 9 6 7 3 4 9 7 7 8 2 8 8 7 3 3 4 7 1 7 8 2 8 8 7 3 3 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 3 | 3 405 14 | 6.14040 | 3.4453 | | ••••••••••••••••••••••••••••••••••••••• | | |
| 6 | - | 4 | 3.45184 | 0.21799 | 3. 23394 | | | | 0.00 |
| T T L L L L L L L L | | 5_ | 3.5526h | 6.1349ay | 3.417)2 | 30 | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 71000000 100000000000000000000000000000 |
| 8 33 9 34 10 35 11 36 12 37 13 38 14 39 15 40 16 41 17 42 18 43 19 44 20 45 21 46 22 47 23 48 24 49 25 50 | | 6 | .) | | | 31 | | * | MATERIAL PROPERTY AND ASSESSMENT OF THE PROPERTY OF THE PROPERTY ASSESSMENT OF THE PROPERTY OF THE PROPERTY ASSESSMENT OF THE PROPERTY ASSESSMENT OF THE PRO |
| 9 34 34 10 35 11 36 11 36 12 37 37 13 38 38 14 39 15 40 16 41 17 42 18 43 19 44 20 45 21 46 22 47 23 48 24 49 25 Calculations: | \downarrow | 7 | 13 64919 | 0. L1480g | 17.780le | 32 | | | · |
| 9 | ļ | 8 | | | | 33 | | | |
| 11 36 12 37 13 38 14 39 15 40 16 41 17 42 18 43 19 44 20 45 21 46 22 47 23 48 24 49 25 50 Calculations: | | 9 | | ************************************** | | 34 | | | |
| 12 37 13 38 14 39 15 40 16 41 17 42 18 43 19 44 20 45 21 46 22 47 23 48 24 49 25 50 | L | 10 | | | | 35 | | | |
| 13 38 14 39 15 40 16 41 17 42 18 43 19 44 20 45 21 46 22 47 23 48 24 49 25 50 Calculations: | L | 11 | | | | 36 | · · · · · · · · · · · · · · · · · · · | | |
| 14 39 15 40 16 41 17 42 18 43 19 44 20 45 21 46 22 47 23 48 24 49 25 50 Calculations: | L | 12 | · . | | | 37 | | | |
| 14 39 15 40 16 41 17 42 18 43 19 44 20 45 21 46 22 47 23 48 24 49 25 50 Calculations: | | 13 | | | | 38 | | | |
| 16 41 17 42 18 43 19 44 20 45 21 46 22 47 23 48 24 49 25 50 | *************************************** | 14 | · · · · · · · · · · · · · · · · · · · | | | 39 | | | |
| 17 42 18 43 19 44 20 45 21 46 22 47 23 48 24 49 25 50 Calculations: | L | 15 | | , | *************************************** | 40 | | | |
| 18 | L | 16 | *************************************** | | | 41 | | | |
| 19 | - | 17 | | | | 42 | | | |
| 20 45 21 46 22 47 23 48 24 49 25 50 Calculations: | L | 18 | | | | 43 | nnoonannoonanussa unaassa sautus (ili. | | 00000000000, W.W. is in |
| 21 46 22 47 23 48 24 49 25 50 Calculations: | L | 19 | | | 20 Times and the second | 44 | | | |
| 22 47 23 48 24 49 25 50 Calculations: | L | 20 | | | | 45 | | | |
| 23 | L | 21 | | | | 46 | | | |
| 24 | L | 22 | | | | 47 | | | |
| 25 So | L | 23 | | | | 48 | | | |
| Calculations: | L | 24 | | | | 49 | | | |
| | | | 1 | | | 50 | | | |
| Q1010-17-11 NUV | C | alcul | ations: | | | | | | |
| Q1010-17-11 NUV | l | | | | | | | • | ************************************** |
| Q1010-17-11 NUNY | Mikhokoko | | | | | | | | onnica de la constante de la c |
| Q1010-17-11 NUNY | A+1000000000000000000000000000000000000 | | | | | | | | Philipping |
| | | | | | | | QW10 | -17-11 NI | W/ I |

DRUG POWDER ANALYSIS FORM

| SAMPLE # No. of samples tested: | AGENCY BOSTOM ANALYST KAC Evidence Wt. |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------|
| PHYSICAL DESCRIPTION: 5 rand bl (ABG) | Gross Wt (): Ve tablet 5 Gross Wt (): Pkg. Wt: Divers 0 766 90 |
| PRELIMINARY TESTS Spot Tests | Microcrystalline Tests |
| Cobalt Thiocyanate <u>(</u>) | Gold Chloride |
| Marquis | TLTA () |
| Froehde's | OTHER TESTS |
| Mecke's | Micromedex(+) For Morphine |
| PRELIMINARY TEST RESULTS RESULTS MOVE NOT MANY TEST RESULTS DATE 10/13/11 | GCIMS CONFIRMATORY TEST RESULTS MS OPERATOR MS DATE 1024 11 |

Revised 7/2005

Drug Information

DRUG NAME: MORPHINE SULFATE

INGREDIENTS: MORPHINE SULFATE - 15 MG

Color: Blue Shape: Circle

Imprint: ABG The tablet is imprinted with ABG on one side and 15 on the

other., 15

Form: Oral Tablet, Extended Release

Available-Container-Size: Bottle of

AAPCC Code: 037704 - Morphine

NDC: 00591-3740-01

UPC: 05913-74001

Exciplents: Hypromellose; Magnesium

Stearate : Polyethylene

Glycol; Talc; Titanium Dioxide; FD&C Blue No. 2; Lactose; Polysorbate 80 ; Cetostearyl Alcohol ; Hydroxyethyl

Cellulose

Regulatory Status: Schedule II

Availability: United States

Product ID 7094983

Contact: Walson Pharma

Copyright © 1974-2011 Thomson Reuters. All rights reserved.

File Name : F:\Q4-2011\System6\10 20 11\804846.D

Operator : LAG

Date Acquired : 21 Oct 2011 1:29

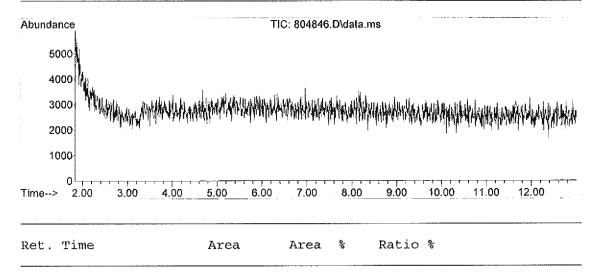
Sample Name : BLANK

Submitted by

Vial Number : 1

AcquisitionMeth: DRUGS.M

Integrator : RTE



NO INTEGRATED PEAKS

File Name : F:\Q4-2011\System6\10 20 11\804847.D

Operator : LAG

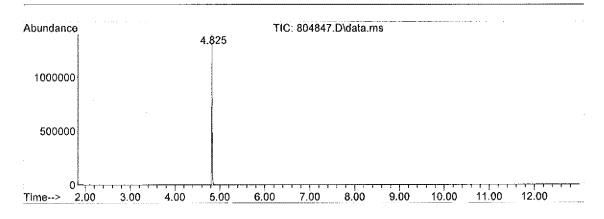
Date Acquired : 21 Oct 2011

Sample Name : COCAINE STD

Submitted by

Vial Number : 6

AcquisitionMeth: DRUGS.M Integrator : RTE



1:45

| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.825 | 1191440 | 100.00 | 100.00 |

: F:\Q4-2011\System6\10_20_11\804847.D File Name

Operator : LAG

: 21 Oct 2011 Date Acquired 1:45

: COCAINE STD Sample Name

Submitted by

Vial Number 6 : AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

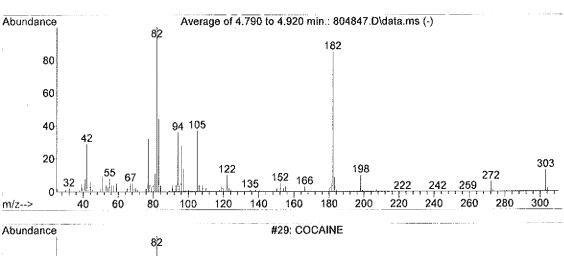
C:\Database\PMW_TOX2.L

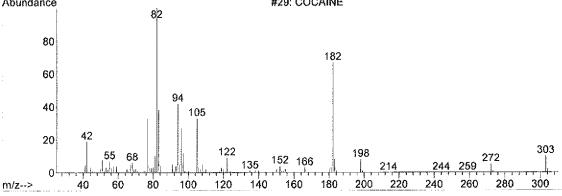
PK# Library/ID CAS# Qual RT

C:\Database\SLI.L 1 4.83

COCAINE

000050-36-2 99



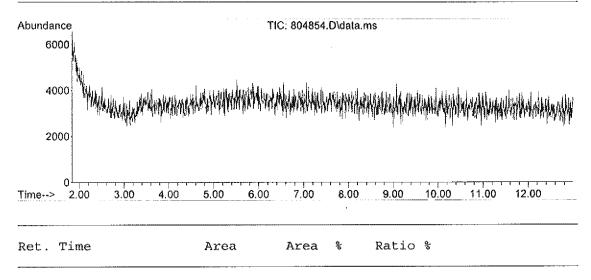


File Name : F:\Q4-2011\System6\10_20_11\804854.D

Operator : LAG

Date Acquired : 21 Oct 2011 3:35

Sample Name : BLANK
Submitted by : KAC
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



NO INTEGRATED PEAKS

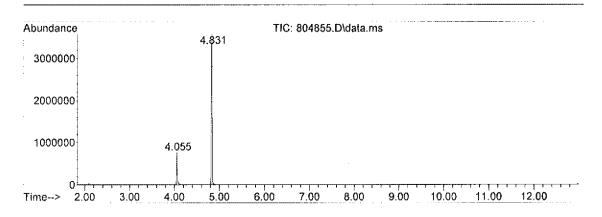
File Name : F:\Q4-2011\System6\10_20_11\804855.D

Operator : LAG

Date Acquired : 21 Oct 2011 3:51

Sample Name :

Submitted by : KAC
Vial Number : 55
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % | |
|----------------|------|----------------|-----------------|--|
| 4.055 4.831 | * | 15.44 84.56 | 18.26 100.00 | |

File Name : F:\Q4-2011\System6\10 20 11\804855.D

Operator : LAG

Date Acquired : 21 Oct 2011 3:51

Sample Name :

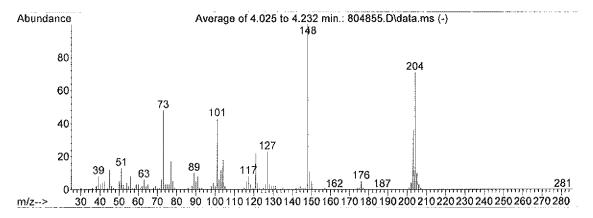
Submitted by : KAC
Vial Number : 55
AcquisitionMeth: DRUGS.M
Integrator : RTE

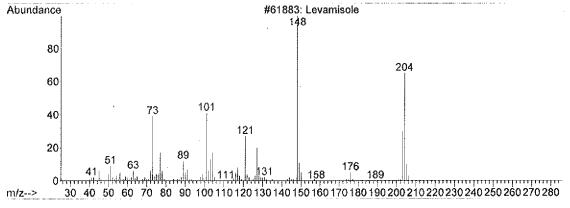
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

C:\Database\PMW_TOX2.L

| PK# RT Library/ID | | CAS# | Qual | |
|-----------------------|------|-------------------------------------|-------------|----|
| 1 | 4.05 | C:\Database\NIST08.L | | |
| | | Levamisole | 006649-23-6 | 99 |
| | | Levamisole | 006649-23-6 | 99 |
| | | Imidazo[2.1-b]thiazole, 2.3.5.6-tet | 014769-73-4 | 98 |





File Name : F:\Q4-2011\System6\10 20 11\804855.D

Operator : LAG

Date Acquired : 21 Oct 2011 3:51

Sample Name :

Submitted by : KAC
Vial Number : 55
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW_TOX2.L

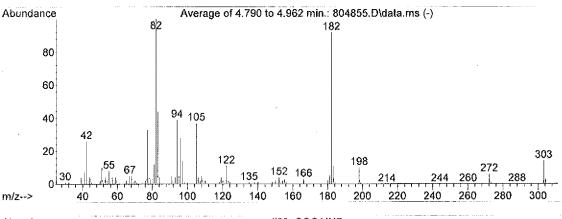
PK# RT Library/ID CAS# Qual

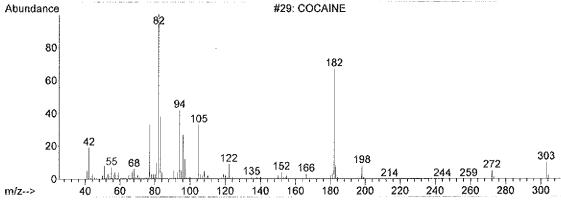
2 4.83 C:\Database\SLI.L

COCAINE

000050-36-2 99

Minimum Quality: 80





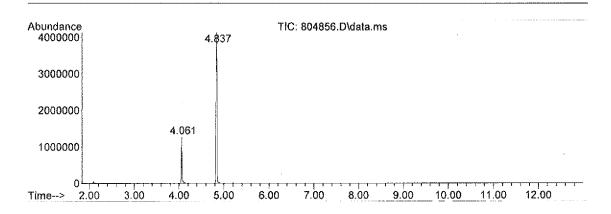
File Name : F:\Q4-2011\System6\10_20_11\804856.D

Operator : LAG

Date Acquired : 21 Oct 2011

Sample Name :

Submitted by : KAC
Vial Number : 56
AcquisitionMeth: DRUGS.M
Integrator : RTE



4:07

| Ret. Time | Area | Area % | Ratio % | |
|-----------|---------|--------|---------|--|
| 4.061 | 1476849 | 19.94 | 24.91 | |
| 4.837 | 5928873 | 80.06 | 100.00 | |

File Name : F:\Q4-2011\System6\10_20_11\804856.D

Operator : LAG

Date Acquired : 21 Oct 2011 4:07

Sample Name :
Submitted by : KAC
Vial Number : 56
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

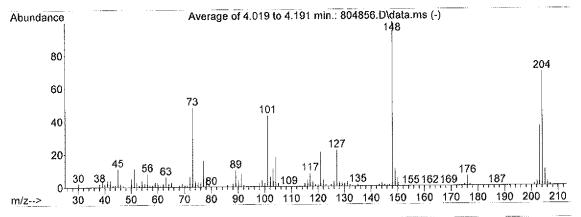
Minimum Quality: 80

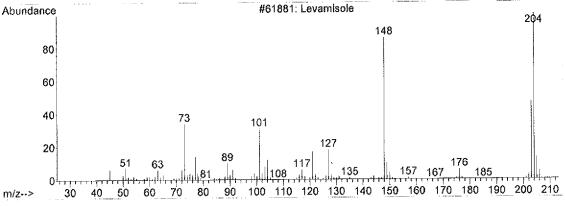
C:\Database\NIST08.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

| PK‡ | RT | Library/ID | | CAS# | Qual |
|-----|------|-----------------------------------------------------------------------------|-------------|-------------------------------------------|----------------|
| 1 | 4.06 | C:\Database\NIST08.L Levamisole Levamisole Imidazo[2,1-b]thiazole, | 2,3,5,6-tet | 006649-23-6 006649-23-6 014769-73-4 | 99 98 98 |





File Name : F:\Q4-2011\System6\10 20 11\804856.D

Operator : LAG

Date Acquired : 21 Oct 2011 4:07

Sample Name :

Submitted by : KAC
Vial Number : 56
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\NIST08.L

C:\Database\PMW_TOX2.L

PK# RT Library/ID CAS# Qual

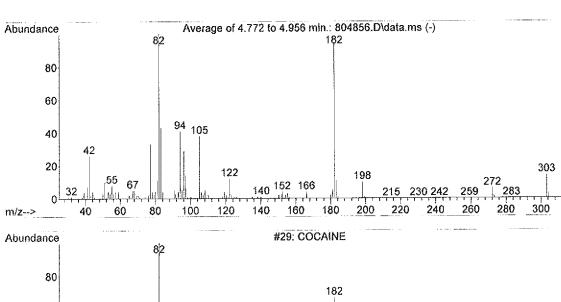
2 4.84 C:\Database\SLI.L

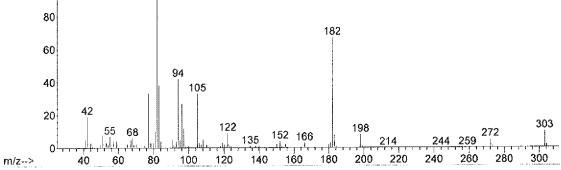
COCAINE

000050-36-2 99

Minimum Quality: 80

Minimum Quality: 80





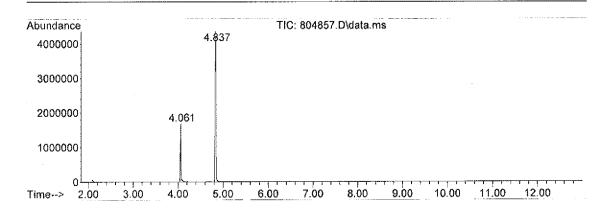
File Name : F:\Q4-2011\System6\10_20_11\804857.D

Operator : LAG

Date Acquired : 21 Oct 2011 4:22

Sample Name :

Submitted by : KAC
Vial Number : 57
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.061 | 1883305 | 22.26 | 28.63 |
| 4.837 | 6577274 | 77.74 | 100.00 |

File Name : F:\Q4-2011\System6\10 20 11\804857.D

Operator : LAG

: 21 Oct 2011 Date Acquired 4:22

Sample Name

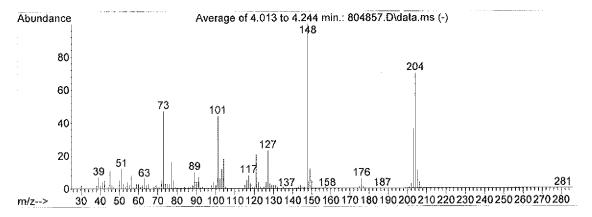
Submitted by : KAC Vial Number 57 AcquisitionMeth: DRUGS.M : RTE Integrator

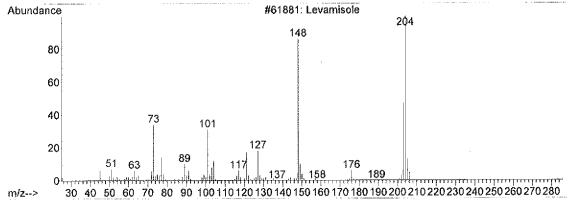
Minimum Quality: 80 C:\Database\SLI.L Search Libraries: Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW TOX2.L

CAS# Qual PK# RTLibrary/ID 1 4.06 C:\Database\NIST08.L 99 006649-23-6 Levamisole Imidazo[2,1-b]thiazole, 2,3,5,6-tet 014769-73-4 98 006649-23-6 98 Levamisole





: F:\Q4-2011\System6\10_20_11\804857.D File Name

: LAG Operator

Date Acquired 21 Oct 2011 4:22

Sample Name Submitted by KAC

Vial Number 57 AcquisitionMeth: DRUGS.M RTE Integrator

Search Libraries:

C:\Database\SLI.L

Minimum Quality: 80 Minimum Quality: 80 C:\Database\NIST08.L

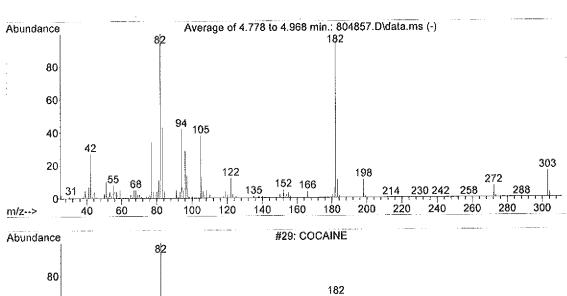
C:\Database\PMW_TOX2.L

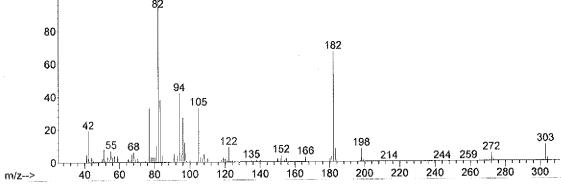
CAS# Qual PK# RTLibrary/ID

4.84 C:\Database\SLI.L 2 COCAINE

000050-36-2

99





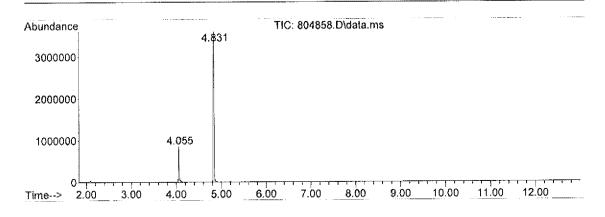
File Name : F:\Q4-2011\System6\10_20_11\804858.D

Operator : LAG

Date Acquired : 21 Oct 2011 4:38

Sample Name :

Submitted by : KAC
Vial Number : 58
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % | |
|----------------|------|----------------|-----------------|--|
| 4.055 4.831 | | 16.48 83.52 | 19.73 100.00 | |

File Name : F:\Q4-2011\System6\10_20_11\804858.D

Operator : LAG

Date Acquired : 21 Oct 2011 4:38

Sample Name :

Submitted by : KAC
Vial Number : 58
AcquisitionMeth: DRUGS.M
Integrator : RTE

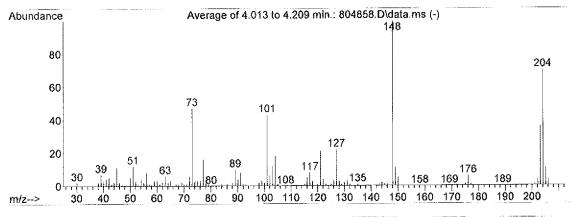
Search Libraries: C:\Database\SLI.L

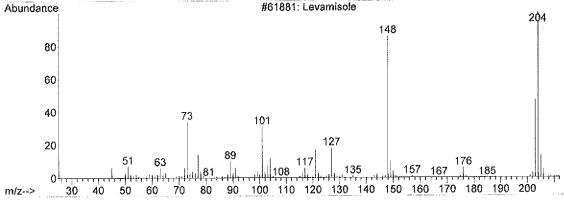
Minimum Quality: 80

C:\Database\NIST08.L
C:\Database\PMW TOX2.L

Minimum Quality: 80

| PK# | RT | Library/ID | CA | s# | Qual |
|-----|------|---------------------------------------------------------------------------------|---------------|----------------------------------|----------------|
| 1. | 4.05 | C:\Database\NIST08.L Levamisole Imidazo[2,1-b]thiazole, 2,3 Levamisole | ,5,6-tet 0147 | 549-23-6 769-73-4 549-23-6 | 99 98 98 |





804858.D

: F:\Q4-2011\System6\10_20_11\804858.D File Name

: LAG Operator

Date Acquired 21 Oct 2011 4:38

Sample Name

Submitted by KAC 58 Vial Number AcquisitionMeth: DRUGS.M : RTE Integrator

Minimum Quality: 80 Search Libraries: C:\Database\SLI.L Minimum Quality: 80

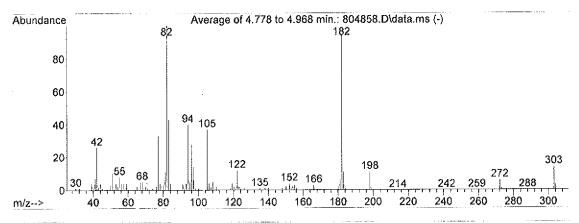
C:\Database\NIST08.L

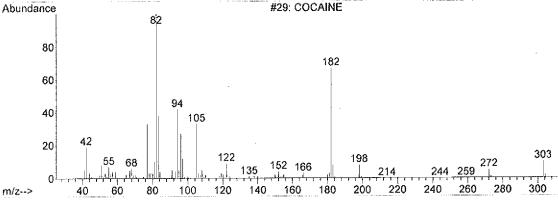
C:\Database\PMW TOX2.L

CAS# Qual PK# Library/ID RT

2 4.83 C:\Database\SLI.L

000050-36-2 COCAINE





99

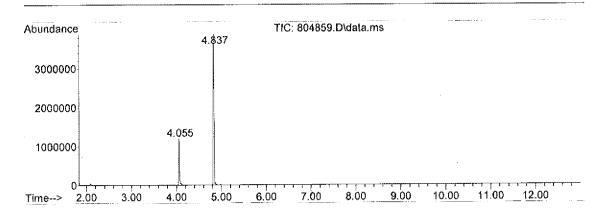
File Name : F:\Q4-2011\System6\10_20_11\804859.D

Operator : LAG

Date Acquired : 21 Oct 2011 4:54

Sample Name

Submitted by : KAC
Vial Number : 59
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.055 | 1395407 | 21.11 | 26.76 |
| 4.837 | 5214295 | 78.89 | 100.00 |

File Name : F:\Q4-2011\System6\10_20_11\804859.D

Operator : LAG

Date Acquired : 21 Oct 2011 4:54

Sample Name :

Submitted by : KAC
Vial Number : 59
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

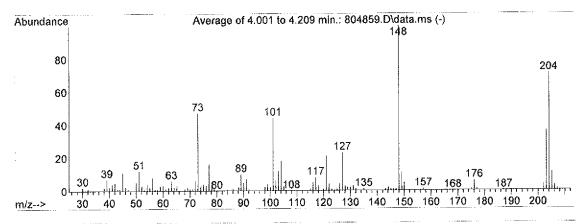
Minimum Quality: 80

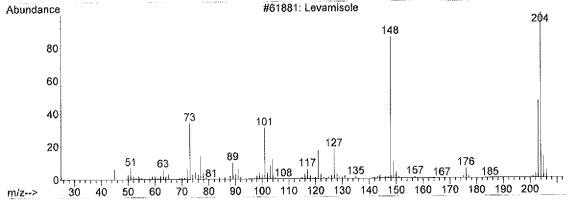
C:\Database\NIST08.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | | CAS# | Qual |
|-----|------|-----------------------------------------------------------------------------|-------------|-------------------------------------------|----------------|
| 1 | 4.05 | C:\Database\NIST08.L Levamisole Imidazo[2,1-b]thiazole, Levamisole | 2,3,5,6-tet | 006649-23-6 014769-73-4 006649-23-6 | 99 98 98 |





File Name : F:\Q4-2011\System6\10_20_11\804859.D

Operator : LAG

Date Acquired : 21 Oct 2011 4:54

Sample Name

Submitted by : KAC
Vial Number : 59
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

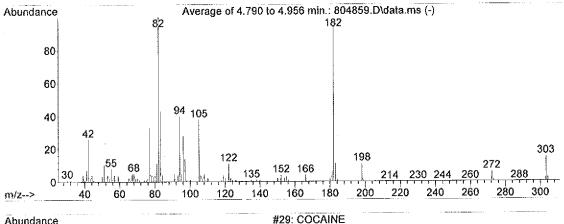
e\SLI.L Minimum Quality: 80

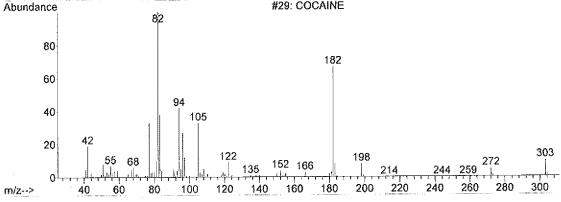
C:\Database\NIST08.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------|-------------|------|
| 2 | 4,84 | | 000050-36-2 | 99 |





804859.D

File Name : F:\Q4-2011\System6\10 20 11\804863.D

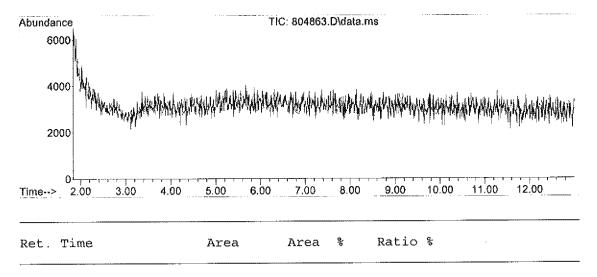
Operator : LAG

Date Acquired : 21 Oct 2011 5:57

Sample Name : BLANK

Submitted by

Vial Number : 2 AcquisitionMeth: DRUGS.M Integrator : RTE



File Name : F:\Q4-2011\System6\10_20_11\804864.D

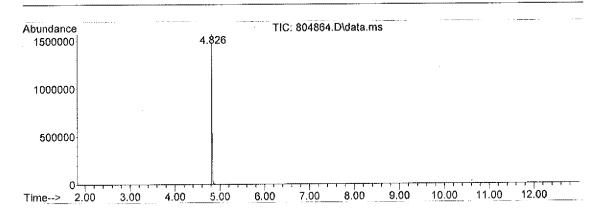
Operator : LAG

Date Acquired : 21 Oct 2011 6:13

Sample Name : COCAINE STD

Submitted by

Vial Number : 6
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.826 | 1336654 | | |

File Name : F:\Q4-2011\System6\10 20 11\804864.D

Operator : LAG

: 21 Oct 2011 Date Acquired 6:13

: COCAINE STD Sample Name

Submitted by

Vial Number 6 AcquisitionMeth: DRUGS.M

Integrator : RTE

C:\Database\SLI.L Search Libraries:

C:\Database\NIST08.L

Minimum Quality: 80

Minimum Quality: 80

C:\Database\PMW_TOX2.L

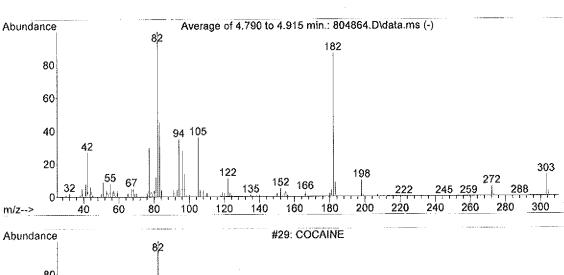
CAS# Qual PK# Library/ID

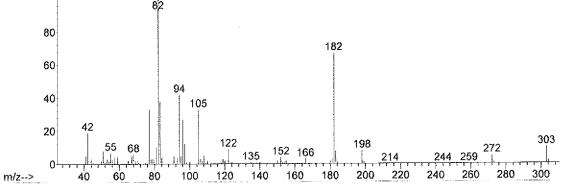
C:\Database\SLI.L 4.83 1

COCAINE

000050-36-2

99





File Name : F:\Q4-2011\System6\10_20_11\804885.D

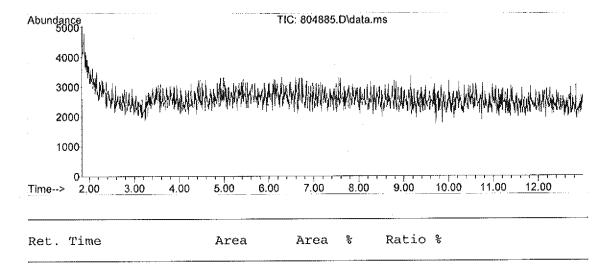
Operator : LAG

Date Acquired : 21 Oct 2011 11:44

Sample Name : BLANK

Submitted by

Vial Number : 2 AcquisitionMeth: DRUGS.M Integrator : RTE



File Name : F:\Q4-2011\System6\10_20_11\804886.D

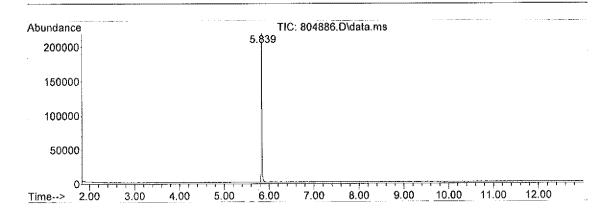
Operator : LAG

Date Acquired : 21 Oct 2011 12:00

Sample Name : MORPHINE STD

Submitted by :

Vial Number : 86
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | | Ratio % |
|-----------|--------|--------|---------|
| 5.839 | 254235 | 100.00 | |

: F:\Q4-2011\System6\10_20_11\804886.D File Name

Operator : LAG

: 21 Oct 2011 12:00 Date Acquired

MORPHINE STD Sample Name

Submitted by

Vial Number 86 AcquisitionMeth: DRUGS.M Integrator : RTE

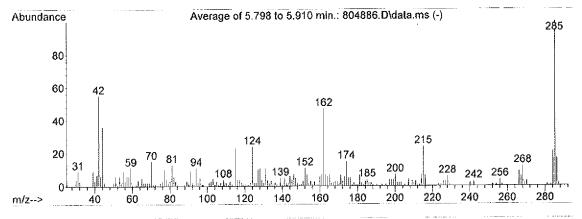
Search Libraries: C:\Database\SLI.L

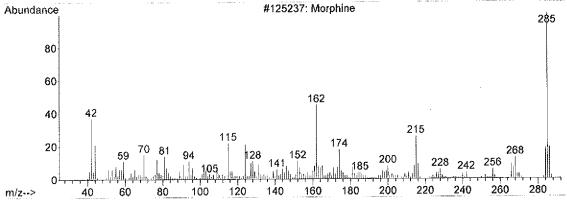
Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|----------------------------------------------------------|-------------------------------------------|----------------|
| 1 | 5.84 | C:\Database\NIST08.L Morphine Morphine Morphine | 000057-27-2 000057-27-2 000057-27-2 | 99 99 99 |



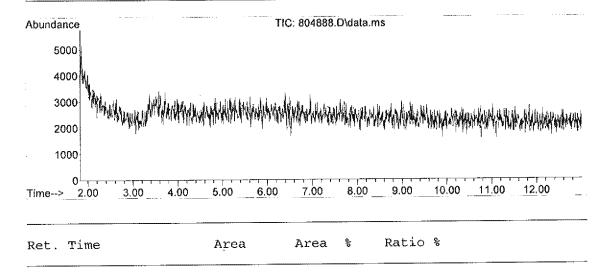


File Name : F:\Q4-2011\System6\10_20_11\804888.D

Operator : LAG

Date Acquired : 21 Oct 2011 12:32

Sample Name : BLANK
Submitted by : KAC
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



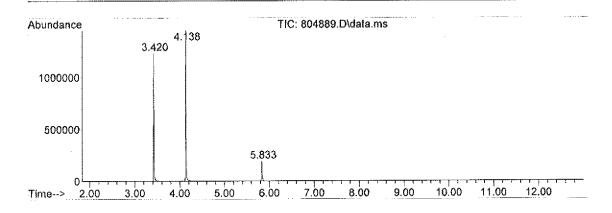
File Name : F:\Q4-2011\System6\10_20_11\804889.D

Operator : LAG

: 21 Oct 2011 Date Acquired 12:48

Sample Name

; Submitted by : KAC Vial Number 89 AcquisitionMeth: DRUGS.M : RTE Integrator



| Ret. Time | Area | Area % | Ratio % | *************************************** |
|-----------|---------|--------|---------|-----------------------------------------|
| 3.420 | 1095515 | 44.67 | 97.32 | |
| 4.138 | 1125674 | 45.90 | 100.00 | |
| 5.833 | 231388 | 9.43 | 20.56 | |

File Name : F:\Q4-2011\System6\10_20_11\804889.D

Operator : LAG

Date Acquired : 21 Oct 2011 12:48

Sample Name :
Submitted by : KAC
Vial Number : 89
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

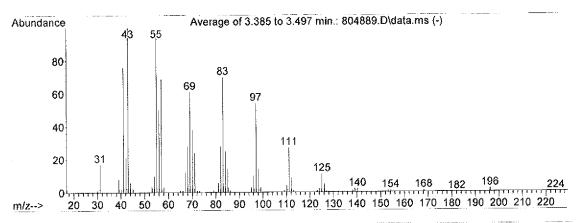
Minimum Quality: 80

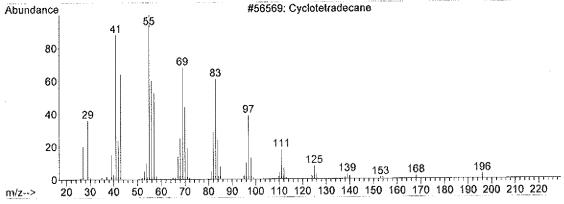
C:\Database\NIST08.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------------------------------------------------|-------------------------------------------|----------------|
| 1. | 3.42 | C:\Database\NIST08.L Cyclotetradecane Cyclotetradecane 1-Hexadecanol | 000295-17-0 000295-17-0 036653-82-4 | 97 95 94 |





File Name : F:\Q4-2011\System6\10_20_11\804889.D

Operator : LAG

Date Acquired : 21 Oct 2011 12:48

Sample Name

Submitted by : KAC
Vial Number : 89
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

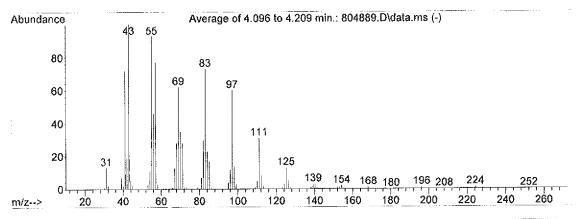
Minimum Quality: 80

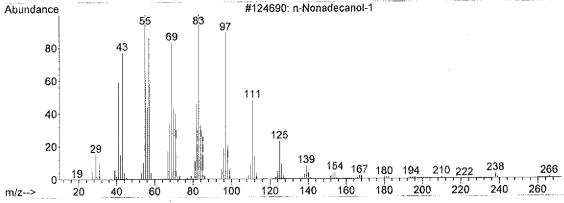
C:\Database\NIST08.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------------------|----------------------------|----------|
| 2 | 4.14 | C:\Database\NIST08.L n-Nonadecanol-1 | 001454-84-8 | 94 |
| | | Cyclohexadecane 1-Hexadecanol | 000295-65-8 036653-82-4 | 94 94 |





File Name : F:\Q4-2011\System6\10_20_11\804889.D

Operator : LAG

Date Acquired 21 Oct 2011 12:48

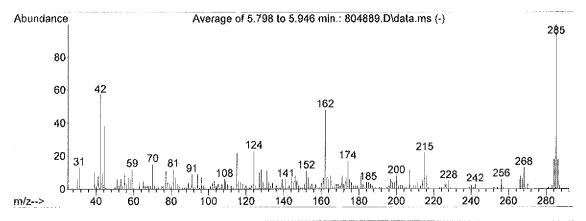
Sample Name KAC Submitted by Vial Number 89 AcquisitionMeth: DRUGS.M Integrator : RTE

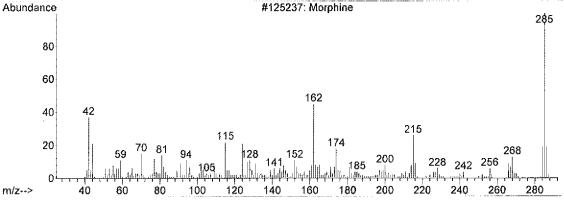
Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 C:\Database\NIST08.L Minimum Quality: 80

C:\Database\PMW TOX2.L

PK# CAS# RTLibrary/ID Qual 3 5.83 C:\Database\NIST08.L Morphine 000057-27-2 99 000057-27-2 Morphine 99 Morphine 000057-27-2 99





File Name : F:\Q4-2011\System6\10 20 11\804891.D

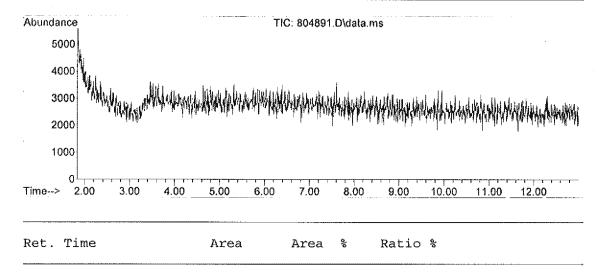
Operator : LAG

Date Acquired : 21 Oct 2011 13:19

Sample Name : BLANK

Submitted by

Vial Number : 2 AcquisitionMeth: DRUGS.M Integrator : RTE



File Name : F:\Q4-2011\System6\10_20_11\804892.D

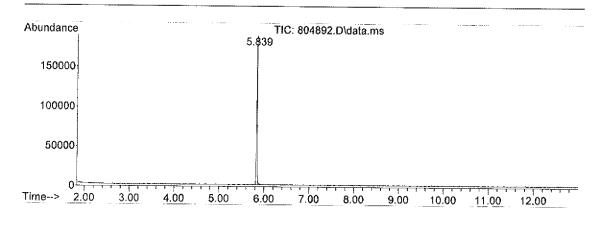
Operator : LAG

Date Acquired : 21 Oct 2011 13:35

Sample Name : MORPHINE STD

Submitted by

Vial Number : 86 AcquisitionMeth: DRUGS.M Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
| 5.839 | | 100.00 | 100.00 |

File Name : F:\Q4-2011\System6\10_20_11\804892.D

Operator : LAG

Date Acquired : 21 Oct 2011 13:35

Sample Name : MORPHINE STD

Submitted by

Vial Number : 86 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80

C:\Database\PMW TOX2.L

| P1 | K# | RT | Library/ID | CAS# | Qual |
|----|----|------|----------------------|-------------|------|
| - | L | 5.84 | C:\Database\NIST08.L | | _ |
| | | | Morphine | 000057-27-2 | 99 |
| | | | Morphine | 000057-27-2 | 99 |
| | | | Morphine | 000057-27-2 | 99 |

